

**Amendments to the Claims:**

Please cancel claims 13-16, 18-23, 26-45, 47-61, 63, 64, 66-88, 90, and 91 without disclaimer or prejudice to applicants' right to pursue the subject matters of these claims in the future.

Pursuant to 37 C.F.R. §1.121(c), this listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) A composition of matter for delivering and/or affixing a stem cell to a target tissue comprising a first moiety that specifically binds to the stem cell surface operably affixed to a second moiety that specifically binds to the surface of a cell in the tissue.
2. (Original) The composition of claim 1, wherein the first and second moieties are antigen-binding portions of an antibody.
3. (Original) The composition of claim 2, wherein the antigen-binding portions are Fab fragments.
4. (Original) The composition of claim 1, wherein the composition comprises a bi-specific antibody.
5. (Original) The composition of claim 1, wherein the composition comprises a single polypeptide chain comprising the first and the second moieties.
6. (Original) The composition of claim 1, wherein the composition comprises a recombinantly produced polypeptide chain.
7. (Original) The composition of claim 1, wherein the first

and second moieties are affixed via a chemical moiety.

8. (Original) The composition of claim 1, wherein the first and second moieties are affixed via a polypeptide moiety.
9. (Original) The composition of claim 1, wherein the stem cell is mammalian.
10. (Original) The composition of claim 9, wherein the stem cell is a CD34<sup>+</sup> cell.
11. (Original) The composition of claim 9, wherein the stem cell is an embryonic stem cell.
12. (Original) The composition of claim 1, wherein the target tissue is selected from the group consisting of hepatic tissue, epithelial tissue, connective tissue, articular tissue, bone tissue, muscle tissue, neuronal tissue, skin, endothelial tissue and cardiac tissue.
- 13-16. (Canceled)
17. (Original) A nucleic acid encoding a polypeptide for delivering and/or affixing a stem cell to a target tissue, which polypeptide comprises a first moiety that specifically binds to the stem cell surface operably affixed to a second moiety that specifically binds to the surface of a cell in the tissue.
- 18-23. (Canceled)
24. (Original) A method for producing a polypeptide useful for delivering and/or affixing a stem cell to a target tissue, which polypeptide comprises a first moiety that specifically binds to the stem cell surface operably affixed to a second moiety that specifically binds to the surface of a cell in the tissue, which method comprises (a) culturing the host-vector system of claim 23 under conditions permitting the expression of the polypeptide, and (b) recovering the polypeptide so expressed.

25. (Original) An article of manufacture for delivering and/or affixing a stem cell to a target tissue via juxtaposition of the article to the target tissue, comprising a solid substrate having operably affixed thereto a composition of matter comprising a moiety that specifically binds to the stem cell surface.

26-45. (Canceled)

46. (Original) A method for delivering and/or affixing a stem cell to a subject's target tissue comprising contacting the tissue with the stem cell and a composition of matter comprising a first moiety that specifically binds to the stem cell surface operably affixed to a second moiety that specifically binds to the surface of a cell in the tissue.

47-61. (Canceled)

62. (Original) A method for delivering and/or affixing a stem cell to a subject's target tissue comprising, in no particular order, the steps of (a) juxtaposing to the tissue an article of manufacture comprising a solid substrate having operably affixed thereto a composition of matter comprising a moiety that specifically binds to the stem cell surface, and (b) contacting the article with the stem cell.

63. (Canceled)

64. (Canceled)

65. (Original) A method for delivering and/or affixing a stem cell to a subject's target tissue comprising juxtaposing to the tissue an article of manufacture comprising (a) a solid substrate having operably affixed thereto a composition of matter comprising a moiety that specifically binds to the stem cell surface, and (b) the stem cell bound to the article via the composition of

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matter affixed thereto.

66-88. (Canceled)

89. (Original) A composition of matter comprising (a) a stem cell to be delivered to and/or affixed to a target tissue, and (b) a composition of matter comprising a first moiety that specifically binds to the stem cell surface operably affixed to a second moiety that specifically binds to the surface of a cell in the tissue.

90. (Canceled)

91. (Canceled)